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Study of Atmospheric Effects in SKYLAB Data  
Fourth Quarterly Progress Report

EREP Investigation 410 M  
NASA Contract NAS9-13272

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IN SKYLAB DATA Quarterly Progress  
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Study of Atmospheric Effects in SKYLAB Data  
Fourth Quarterly Progress Report

This report covers progress during the fourth quarter (1 December 1973 - 28 February 1974) of Contract NAS9-13272, "Study of Atmospheric Effects in SKYLAB Data", EREP No. 410M. The work is being conducted in the Infrared and Optics Division of the Environmental Research Institute of Michigan, under the general supervision of Mr. R. R. Legault. The principal investigator is Mr. F. J. Thomson.

PROGRESS

During this quarter, attempts were made to collect a second set of SKYLAB data on the SL-4 mission. All attempts were frustrated because of poor weather or snow cover. Consequently, alternative test site arrangements are being made. Screening film was received from the 5 August overpass, and S-192 CCT products were ordered. S-190A and S-190B products from the 5 August overpass were received.

Additionally, we were notified that data were collected over the Cripple Creek, Colorado test site on 4 August. S-190A and S-190B imagery of this site were received, but S-192 screening film has not been received.

Some effort was expended defining a format conversion program to convert the Universal Format S-192 products to ERIM format. The program will be written for the University of Michigan 360 computer system on which ERIM leases time. The use of this computer is required since the format conversion program requires storing quantities of data in excess of the memory size on the 7094 computer. Program writing and debugging are being funded by a separate, related contract.

PLANS

When S-192 products arrive, processing will begin. Plans for using data from an alternate test site will be firmed up, and data products ordered, during the next quarter.

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PLANS (cont.)

In accordance with discussions with the technical monitor, an extension of the performance period of the contract is being requested to 31 December 1974.

TRAVEL

None.

Respectfully submitted:

F. J. Thomson

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